Nanotechnology simulation and more.
Always on, around the globe.

Issue 11

Your opinion matters! Provide feedback regarding future nanoBIO tool development through a voluntary survey

Help the nanoBIO node of the Network for Computational Nanotechnology define community needs related to simulation software for nanoBIO applications.

Take survey

SURF Student receives Perry Undergraduate Research Scholarship

Yide Wang first heard about SURF (Summer Undergraduate Research Fellowship), a Purdue program providing undergraduate students an opportunity for research experience, when he was a freshman in the School of Mechanical Engineering at Purdue. He recalls being "afraid" and discouraged to apply, thinking he might not have the right set of skills or enough research experience to join SURF. Two years later, as a junior at Purdue, he decided to take on the challenge – and the results show that it was well worth it. Yide received the 2015 Perry Undergraduate Research Scholarship a few months after his SURF program ended in August of 2014. Currently he is a member of Tim Fisher's Nanoscale Transport Research Group and is completing development on a simulation tool that will be deployed on nanoHUB.

When Yide first joined SURF, he was concerned that he might not possess the coding skills required for the project. However, that quickly changed after he went through Rappture training during the first week of the program and learned how take computer code and, utilizing the Rappture Toolkit, develop a user-friendly GUI (graphical user interface) for the code and deploy it on nanoHUB. During SURF, he mainly worked on developing a simulation tool that helps users understand the characteristics/quality of Carbon Nanotube Arrays, which in turn helps them optimize thermal interface designs. He worked under the supervision of Professor Tim Fisher and PhD student Sridhar Sadasivam.

Read more

Computational Science and Engineering Student Conference - Purdue University

Every year the Society for Industrial and Applied Mathematics (SIAM@Purdue) holds an interdisciplinary conference that showcases student research at Purdue University. The conference is completely student organized and run. It is a great way to meet other students doing research on campus and see all of the different ways that computational science is used at Purdue.

The conference will be held on **Friday, March 27, 2015** in the Burton D. Morgan Center for Entrepreneurship (Discovery Park, Purdue Campus).

Go to page

Announcements

Online Course: Organic Electronic Devices

There's still time to register for the Professor Bryan Boudouris's OED course offered on edX !

Fundamentals of Nanoelectronics: Basic Concepts

The course taught by Supriyo Datta (Purdue)

Scheduled to be offered on the MIT online platform (edX)

Date: March 26 - May 21 (8 weeks).

Registration is now open!

Upcoming Events

Ultra-thin plasmonic metasurfaces for molding the flow of light

When: February 27, 2015

Featured Tools

Theoretical Electron Density Visualizer

calculate and display 3D maps of molecular ED and its derivatives from the wave function

Carbon Nanotubes Interconnect Analyzer

Analyze performances of carbon nanotube bundle interconnects

Crystal Viewer Tool

Visualize different crystal lattices and planes

FOLLOW US

LINK TO US

Link your homepages to nanoHUB .org. Click here

ABOUT US

Contact Us   Unsubscribe

The Network for Computational Nanotechnology and nanoHUB.org are supported by the National Science Foundation.

NSF